



JC07 Rec'd PCT/PTO 29 APR 2005

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
J. Hawkes, et al. ) GROUP ART UNIT: unknown  
Serial No.: 10/527,887 ) EXAMINER: unknown  
Filed: March 15, 2005 )  
For: APPARATUS FOR DIRECTING )  
PARTICLES IN A FLUID )

April 26, 2005  
Attorney Docket No. 41577/313584

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Alexandria, VA 22313-1450, on APRIL 26, 2005  
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Signature

Commissioner for Patents  
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Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98,  
Applicants identify the materials listed below and on the form  
accompanying this submission:

U.S. PATENTS

<u>Number</u>	<u>Inventors</u>	<u>Date</u>
5,626,767	Trampler, et al.	May 6, 1997
5,225,089	Benes, et al.	July 6, 1993

NON-U.S. PATENT DOCUMENTS

<u>Number</u>	<u>Country/Region</u>	<u>Date</u>
0633049	Europe (EPO)	January 11, 1995
0380194	Europe (EPO)	August 1, 1990

OTHER MATERIALS

J. Hawkes, et al., "Single half-wavelength ultrasonic particle filter: Predictions of the transfer matrix multilayer resonator model and experimental filtration results," J. Acoust. Soc. Am. 111 (3), pp. 1259-1266, March 2002.

J. Hawkes, et al., "Force field particle filter, combining ultrasound standing waves and laminar flow," Sensors and Actuators, B75, pp. 213-222, 2001.

Z. Mandralis, et al., "Enhanced synchronized ultrasonic and flow-field fractionation of suspensions," Ultrasonics, Vol. 32, No. 2, pp. 113-121, 1994.

Copies of the listed materials (other than U.S. patents) are enclosed. Applicants do not concede that the identified materials, or any of them, constitute prior art within the meaning of the United States patent laws.

Applicants are submitting this paper within three months of the filing of the application and before receipt of an Office Action concerning the merits of the invention claimed in the application and accordingly believe no fee is due. See 37 C.F.R. § 1.97(b). However, if Applicants' beliefs are mistaken, the Assistant Commissioner is authorized to debit deposit account No. 11-0855 for any such fee presently due.

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Respectfully submitted,



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Approved for use through 07/31/2006. OMB 0651-0031

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**Complete if Known**

<b><i>Application Number</i></b>	<b>10/527,887</b>
<b><i>Filing Date</i></b>	<b>March 15, 2005</b>
<b><i>First Named Inventor</i></b>	<b>J. Hawkes, et al.</b>
<b><i>Art Unit</i></b>	<b>Unknown</b>
<b><i>Examiner Name</i></b>	<b>Unknown</b>
<b><i>Attorney Docket Number</i></b>	<b>41577/313584</b>

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

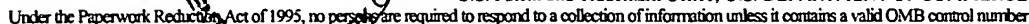
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		<b>Europe – 0633049</b>	<b>1/11/95</b>			
		<b>Europe – 0380194</b>	<b>8/1/90</b>			

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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